NIEHS
National Institute of Environmental Health Sciences

NTP & NIEHS Update

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Director

National Institute of Environmental Health Sciences
National Toxicology Program

National Toxicology Program
U.S. Department of Health and Human Services

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health

NTP
National Toxicology Program

National Toxicology Program

NTP Mission: *to evaluate agents of public health concern by developing and applying tools of modern toxicology and molecular biology.*

NTP Vision for the 21st Century: *to move toxicology from a predominantly observational science at the level of disease-specific models to a predominantly predictive science focused upon a broad inclusion of target-specific, mechanism-based, biological observations*

DEPARTMENT OF HEALTH & HUMAN SERVICES · USA

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Priority Areas in Environmental Health Sciences

- Low Dose
- Windows of Exposure
- Toxicology Screening
- Mixtures
- Clinical Research
- Emerging Hazards
- Human Health Effects of Climate Change
- Green Chemistry

Next Steps

- New Permament Staff
  - Scientific Director
  - Director of Extramural Research & Training
  - Deputy Director
  - Toxicologist
- Strategic Plan for 2012-2016
- Reframing our work
  - "My work helps us understand how the environment can impact public health because…"

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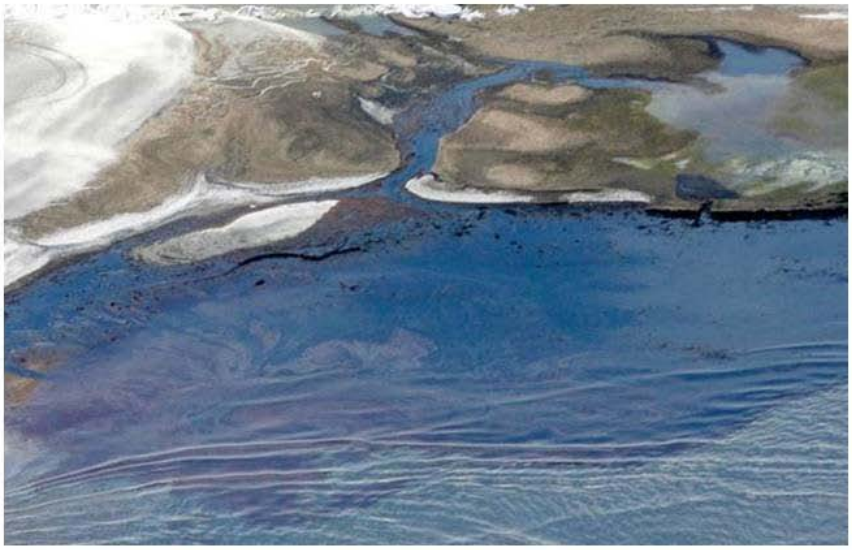
NIEHS & NTP Oil Spill Activities



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NIEHS & NTP Oil Spill Activities

National Institute of Environmental Health Sciences
Oil Spill Cleanup Initiative

Safety and Health Awareness for Oil Spill Cleanup Workers

NIEHS
OSHA Occupational Safety and Health Administration

National Institute of Environmental Health Sciences
Iniciativa de Limpieza del Derrame de Petróleo

Seguridad y Concienciación de Salud para Trabajadores de Limpieza de Derrames de Petróleo

NIEHS
OSHA Occupational Safety and Health Administration
1-800-321-OSHA (6742)

Mayo 2010, v5 OSHA 3391-052010

PROGRAMA DE EDUCACIÓN Y DE CAPACITACIÓN DE LOS TRABAJADORES

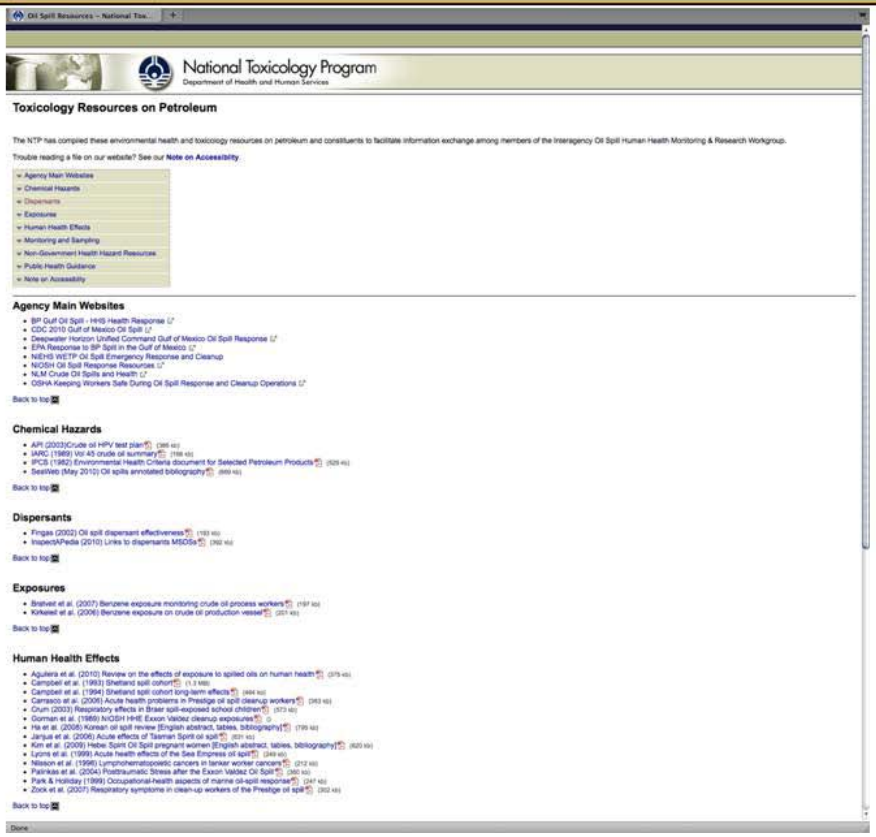
NIEHS Oil Spill Cleanup Training Tool OSHA

HOẠT ĐỘNG TÍCH CỰC ĐỂ DỌN SẠCH THẢM HỌA TRÀN DẦU

Kiến Thức Về Sự An Toàn và Sức Khỏe cho Nhân Viên Dọn Sạch Hiện Trường Tràn Dầu

NIEHS
OSHA Occupational Safety and Health Administration

Tháng Năm 2010, v4.1 WORKER EDUCATION & TRAINING PROGRAM OSHA 3388-052010



Oil Spill Resources – National Tox...

National Toxicology Program
Department of Health and Human Services

Toxicology Resources on Petroleum

The NTP has compiled these environmental health and toxicology resources on petroleum and constituents to facilitate information exchange among members of the Interagency Oil Spill Human Health Monitoring & Research Workgroup.

Trouble reading a file on our website? See our **Note on Accessibility**.

- Agency Main Websites
- Chemical Hazards
- Dispersants
- Exposures
- Human Health Effects
- Monitoring and Sampling
- Non-Government Health Hazard Resources
- Public Health Guidance
- Note on Accessibility

Agency Main Websites

- BP Gulf Oil Spill - HHS Health Response
- CDC 2010 Gulf of Mexico Oil Spill
- Deepwater Horizon Unified Command Gulf of Mexico Oil Spill Response
- EPA Response to BP Spill in the Gulf of Mexico
- NIEHS WETP Oil Spill Emergency Response and Cleanup
- NIOSH Oil Spill Response Resources
- NLM Crude Oil Spills and Health
- OSHA Keeping Workers Safe During Oil Spill Response and Cleanup Operations

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Chemical Hazards

- API (2003)Crude oil HPV test plan (385 kb)
- IARC (1989) Vol 45 crude oil summary (788 kb)
- IPCS (1982) Environmental Health Criteria document for Selected Petroleum Products (525 kb)
- SeaWeb (May 2010) Oil spills annotated bibliography (669 kb)

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Dispersants

- Fingas (2002) Oil spill dispersant effectiveness (193 kb)
- InspectAPedia (2010) Links to dispersants MSDSs (392 kb)

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Exposures

- Bratveit et al. (2007) Benzene exposure monitoring crude oil process workers (197 kb)
- Kirkeleit et al. (2006) Benzene exposure on crude oil production vessel (251 kb)

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Human Health Effects

- Aguilera et al. (2010) Review on the effects of exposure to spilled oils on human health (375 kb)
- Campbell et al. (1993) Shetland spill cohort (1.3 MB)
- Campbell et al. (1994) Shetland spill cohort long-term effects (494 kb)
- Carrasco et al. (2006) Acute health problems in Prestige oil spill cleanup workers (363 kb)
- Crum (2003) Respiratory effects in Braer spill-exposed school children (573 kb)
- Gorman et al. (1989) NIOSH HHE Exxon Valdez cleanup exposures
- Ha et al. (2008) Korean oil spill review [English abstract, tables, bibliography] (799 kb)
- Janjua et al. (2006) Acute effects of Tasman Spirit oil spill (631 kb)
- Kim et al. (2009) Hebei Spirit Oil Spill pregnant women [English abstract, tables, bibliography] (620 kb)
- Lyons et al. (1999) Acute health effects of the Sea Empress oil spill (249 kb)
- Nilsson et al. (1998) Lymphohematopoietic cancers in lankar worker cancers (212 kb)
- Palinkas et al. (2004) Posttraumatic Stress after the Exxon Valdez Oil Spill (260 kb)
- Park & Holliday (1999) Occupational-health aspects of marine oil-spill response (247 kb)
- Zock et al. (2007) Respiratory symptome in clean-up workers of the Prestige oil spill (302 kb)

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NIEHS & NTP Oil Spill Activities

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NIEHS & NTP Oil Spill Activities

NIEHS Proposed Oil Spill Research

NTP: Toxicological studies to identify important biological and tissue targets for crude oil fractions as are appearing in the gulf.

DIR: A cohort study to assess the short-and long-term health effects of exposure to oil spill.

DERT: A comprehensive research portfolio including monitoring, exposure assessment, risk assessment, communication, and outreach.

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IOM Meeting

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Thank you!

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U.S. Department of Health and Human Services

Srp
Superfund
Research Program